

### Abstract

A hydrogen storage alloy is provided which, when used in a battery, has high drain (power) performance and charge acceptance that are excellent, and in addition, cracks are few, and cycle life performance are excellent, to be used in large batteries, in particular for electric vehicles, hybrid electric vehicles, high-power use, and the like.

The hydrogen storage alloy is a hydrogen storage alloy having phase conversion accompanying the variation of hydrogen storage capacity ( $H/M$ ) and is in a single phase or in a state close to a single phase when the above-mentioned hydrogen storage capacity ( $H/M$ ) is in a range of 0.3 to 0.7 or 0.4 to 0.6.